

20040101.qrp v03\_n152.qrl.20040101

Date: Thu, 1 Jan 2004 19:03:13 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3152

QRP-L Digest 3152

Topics covered in this issue include:

- 1) [164227] re: SKN  
by "Joseph Trombino Jr" <w2kj@bellsouth.net>
- 2) [164228] Re: St. Louis Loop (SLL) Info?  
by "Walter AG5P" <walter@accessus.net>
- 3) [164229] Re: [fpqrp] Lloyd and Jerry  
by "Jerry Ford" <benlightnd13@mchsi.com>
- 4) [164230] NEQRP CW Net, Thursday, 1 Jan 04, 08:30 PM EST, 3.566 MHz  
by Chuck Ludinsky <cludinsky@comcast.net>
- 5) [164231] Re: Beacon active on 7.090  
by Wayne\_W5KDJ <w5kdj@juno.com>
- 6) [164232] AZ Scorpions Paddle Picture  
by "Al McChesney, N2ZHS" <J38al@aol.com>
- 7) [164233] Re: SKN  
by James R Giammanco <n5ib@juno.com>
- 8) [164234] 7090.00  
by KEN BROWN <qrpers@juno.com>
- 9) [164235] Beacon on 7090 KHz  
by "Jim Sheldon" <w0eb@cox.net>
- 10) [164236] Re: Coaxial Cable Loss Calculation  
by "George, W5YR" <w5yr@att.net>
- 11) [164237] RE: SKN  
by "KennyMac" <killmodell@earthlink.net>
- 12) [164238] Ready on 7041 with TT2  
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 13) [164239] Re: Which caps for VHF construction  
by Tim Groat <tcgroat@earthlink.net>
- 14) [164240] Re: Ready on 7041 with TT2  
by Peter Burbank <peterlee@qx.net>
- 15) [164241] Re: antenna launcher (slingshots, etc.)  
by Tim Groat <tcgroat@earthlink.net>
- 16) [164242] Fox - Team Results...  
by "rattray" <rattray@accesscomm.ca>
- 17) [164243] Fox - Team Results...  
by "rattray" <rattray@accesscomm.ca>
- 18) [164244] Re: [fpqrp] Joyd and Llerry  
by Lloyd Lachow <llachow@yahoo.com>
- 19) [164245] Short Archive

- by "James R. Duffey" <JamesDuffey@comcast.net>
- 20) [164246] Center-tap rectifiers  
by Kenneth Cooperstein <cprstn54@att.net>
- 21) [164247] SKN 7.040 Stream on again  
by "Paul Valko - W8KC" <w8kc@comcast.net>
- 22) [164248] All tuned up on 7130 and ready to go...well, almost...  
by <bill@n4qa.com>
- 23) [164249] Re: Beacon active on 7.090 (2004)  
by Chuck Carpenter <w5usj@9plus.net>
- 24) [164250] January Spartan Sprint Announcement  
by "John Huffman" <hjohnc@core.com>
- 25) [164251] Re: Beacon active on 7.090  
by Wayne Rogers <w5kdj@juno.com>
- 26) [164252] Toroid on coax  
by "John" <johndorson@worldshare.net>
- 27) [164253] Items FS MFJ 971 Portable Tuner, MFJ-4114 Portable Power Pack  
by "Kevin Gray" <k8su@adelphia.net>
- 28) [164254] Re: Center-tap rectifiers  
by John Oppenheimer <kn5l@gte.net>
- 29) [164255] Re: Center-tap rectifiers  
by "Leon Heller" <leon\_heller@hotmail.com>
- 30) [164256] Drake 2NT with HA5 VFO  
by "Joseph Trombino Jr" <w2kj@bellsouth.net>
- 31) [164257] OT: Terror Almanacs  
by "Chris Trask" <chistrask@earthlink.net>
- 32) [164258] New Years Goals  
by "Tom" <kf4yyd@adelphia.net>
- 33) [164259] So...we moved to Eugene to be out of the snow...  
by ham@w3eax.umd.edu
- 34) [164260] Re: Drake 2NT with HA5 VFO  
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 35) [164261] FS: MFJ-751B external audio peak/notch filter  
by "NZ8J" <nz8j@woh.rr.com>
- 36) [164262] Ten-tec RX-320  
by Ken <kloc@commspeed.net>
- 37) [164263] Re: Drake 2NT with HA5 VFO  
by "Cal Cotner" <cal.jsi@verizon.net>
- 38) [164264] Re: Drake 2NT with HA5 VFO  
by Ed Tanton <n4xy@earthlink.net>
- 39) [164265] 2NT and HA5 VFO  
by "Joseph Trombino Jr" <w2kj@bellsouth.net>
- 40) [164266] Re: Center-tap rectifiers  
by Ed Tanton <n4xy@earthlink.net>
- 41) [164267] Re: Toroid on coax  
by Karl Larsen <k5di@zianet.com>
- 42) [164268] XG1 photos added with TenTec Argonaut V  
by Chuck Adams <k7qo@commspeed.net>
- 43) [164269] Re: OT: Terror Almanacs

by Al Scanandoah <k2zn@rochester.rr.com>

44) [164270] Re: Terror Almanacs  
by "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>

45) [164271] \*\*\*SOLD\*\*\*Re: MFJ-751B external audio peak/notch filter\*\*\*SOLD\*\*\*  
by "NZ8J" <nz8j@woh.rr.com>

46) [164272] slingshots, cannons, antennas and the LAW  
by "John Farnsworth" <johnfarns@bellsouth.net>

47) [164273] FOX Log W5KDJ- 12/2003  
by Wayne Rogers <w5kdj@juno.com>

48) [164274] Re: Terror Almanacs  
by "sjolin" <sjolin@swbell.net>

49) [164275] SKN a bust  
by Steven Weber <kd1jv@moose.ncia.net>

50) [164276] OT: HTX-10 and CTCSS board...  
by Mik Ishmael <mightymik2@comcast.net>

51) [164277] RE: [qrp-l] Re: Toroid on coax  
by "Nick Kennedy" <wa5bdu@tcainet.net>

52) [164278] KX1: A Fourth Undocumented Receive Mode/Frequency Memory for Each Band  
by "Bruce Prior" <n7rr@hotmail.com>

53) [164279] Re: Toroid on coax  
by "James R. Duffey" <JamesDuffey@comcast.net>

54) [164280] Yup, went and ordered a K1, finally...  
by Paul Mills <quahog@localnet.com>

55) [164281] Re: Yup, went and ordered a K1, finally...  
by "Brad Hedges" <bhedges@nc.rr.com>

56) [164282] Re: SKN a bust  
by "Bill Linn" <wlinn@smgazette.com>

57) [164283] Tiny Nanotube Antennas May Yield Better Signals In Cell Phones, Televisions  
by Ed Tanton <n4xy@earthlink.net>

58) [164284] Roy Lewallen  
by "carl seyersdahl" <carlseye@tampabay.rr.com>

59) [164285] sounds like CQWW on 40 meters  
by "David LeDuc" <dleduc@adelphia.net>

60) [164286] Re: Roy Lewallen  
by "John J. McDonough" <wb8rcr@arrl.net>

61) [164287] Re: Yup, went and ordered a K1, finally...  
by "john gabbard" <johngabbard@usintouch.com>

62) [164288] Re: SKN a bust  
by John Sielke <jsielke@pobox.com>

63) [164289] Elecraft XG1 Receiver Test Oscillator  
by Ed Tanton <n4xy@earthlink.net>

64) [164290] roy lewallen  
by "carl seyersdahl" <carlseye@tampabay.rr.com>

65) [164291] RE: Roy Lewallen  
by "Augie Hansen" <augie.hansen@comcast.net>

66) [164292] Ten Tec 1056 DC Receiver

by "Thomas Lewis" <thomas\_h\_lewis@msn.com>

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Date: Wed, 31 Dec 2003 19:07:08 -0500  
From: "Joseph Trombino Jr" <w2kj@bellsouth.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164227] re: SKN  
Message-ID: <005001c3cffb\$330ae9c0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

OK..I finally got the 2NT and the 2C on the air xtal controlled. Does anyone on the list remember where I can hose the Hallicrafters HA5 VFO into the 2NT???

Does the VFO output simply go right into the xtal connector on the front panel of the 2NT or is there some other more sinister hookup I need to make.

Do I key the VFO??? Boy, this 40 year old technology is mind boggling:-)

Sure would like to be VFO controlled tonite.....any older minds out there remember the hookup??

I seem to remember something about my DX20 and Eico 722 vfo but just some banging around in my head and no answers:-)

73, Joe W2KJ

---

Date: Wed, 31 Dec 2003 18:31:01 -0600  
From: "Walter AG5P" <walter@accessus.net>  
To: <qrp-l@lehigh.edu>  
Subject: [164228] Re: St. Louis Loop (SLL) Info?  
Message-ID: <000b01c3cffe\$89306980\$02466ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi, the info on the St. Louis Loop (SLL) is at

<http://geocities.com/ag5p/>

Please excuse the dust, as the website is in process of being changed, but this article will stay at this URL.

Happy New Year!

72 / 73...Walter - AG5P

-----

Date: Wed, 31 Dec 2003 18:29:52 -0600  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>  
Subject: [164229] Re: [fpqrp] Lloyd and Jerry  
Message-ID: <015b01c3cffe\$5fcfc2c0\$4a78da0c@mchsi.com>

Thanks you Jo

It was great fun working everyone. I hope you all had as much fun in this as I did.

I can't say I sad that it's over cuz I'm tired.

Many thanks to each and every one of you and my best to you all for a very happy New Year.

72 / 73 es and big ole 00 Jerry N0JRN

----- Original Message -----

From: "Jo Thompson" <thompsonjo@comcast.net>  
To: <fpqrp-l@mpna.com>  
Sent: Wednesday, December 31, 2003 5:17 PM  
Subject: [fpqrp] Lloyd and Jerry

> Congratulations, guys! You are both winners regardless of the final count! Jo

>

>

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe  
fpqrp-l -

>

-----  
Date: Wed, 31 Dec 2003 20:13:22 -0500  
From: Chuck Ludinsky <cludinsky@comcast.net>  
To: neqrp@jona1.net, qrp-1@lehigh.edu  
Subject: [164230] NEQRP CW Net, Thursday, 1 Jan 04, 08:30 PM EST, 3.566 MHz  
Message-ID: <3FF37432.9080300@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 1 January 2004, at 8:30 PM EST (01:30Z, 2 Jan 04) on or near 3.566 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

There was no net last week. Hope everyone had a great holiday.

Happy New Year -- looking forward to hearing everyone again.

72 DE K1CL,  
Chuck

-----  
Date: Thu, 1 Jan 2004 01:50:33 GMT  
From: Wayne\_W5KDJ <w5kdj@juno.com>  
To: kg6cyn@softhome.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [164231] Re: Beacon active on 7.090  
Message-ID: <20031231.175123.923.1606212@webmail11.lax.unttd.com>  
Mime-Version: 1.0  
Content-Type: text/plain

And the same to you. Your beacon is 539 in NW Houston @ 0146Z 01/01/04 or 1946L 12/31/03.

Wayne\_W5KDJ  
Ex: SV0WWW\_TF2WJN 100% CW  
ARS\_1392 ARCI\_11325 FP\_626 e-QSL  
FISTS\_10060 SOC\_538 ARRL HQRP

-- "Trevor Jacobs" <kg6cyn@softhome.net> wrote:

Hey Gang,

The beacon is up and active on 7.090 MHz. Hope that some of you hear it! I moved up a bit from 7.070 just in case it might interfere with PSK31 stations.

Happy New Year to all of you and send me a report if you hear the beacon including UTC time and RST. I'll post the results to the list.

73's Trev - KG6CYN  
<http://www.qsl.net/kg6cyn>

-----  
Date: Wed, 31 Dec 2003 21:02:11 -0500  
From: "Al McChesney, N2ZHS" <J38al@aol.com>  
To: qrp-l@lehigh.edu  
Subject: [164232] AZ Scorpions Paddle Picture  
Message-ID: <3FF37FA3.3070301@aol.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=us-ascii

Happy New year to all,

I just uploaded some pictures of my NorCal, AZ Scorpions, and Vibroplex Code Warrior Jr paddles. I still have to do more to the AZ paddles, I haven't put any lacquer on them yet or attached the fine wires to the paddle levers. If you want to take a look, here is the address.

< <http://members.aol.com/alsshack67/n2zhspg5.html> >

Hope it works for you, I had a heck of a job getting it up there. I was using MS Word from the 2000 pack and it renamed my pictures and added a bunch of html that I didn't understand. I "fixed" it in Win notepad but the last two pic ended up a bit large.

72, Al N2ZHS  
Scotia, NY

-----  
Date: Wed, 31 Dec 2003 18:03:10 PST  
From: James R Giammanco <n5ib@juno.com>  
To: qrp-l@Lehigh.edu  
Subject: [164233] Re: SKN

Message-ID: <20031231.205223.4663.7.n5ib@juno.com>

All 15 keys are wired up and ready to go, the 6F6 is all lit up, pumping out a full 2 watts, and rocks for 3540, 7070, 7074, 7076 are on hand.

see y'all on the bands..

72

Jim N5IB

On Wed, 31 Dec 2003 16:02:29 -0500 Steven Weber <kd1jv@moose.ncia.net> writes:

>I've got all my straight keys dusted off and adjusted, ready to go for >tonight.

>Goal is to make at least one Q with each key.

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

---

Date: Wed, 31 Dec 2003 18:08:51 PST  
From: KEN BROWN <qrpers@juno.com>  
To: qrp-l@Lehigh.edu  
Subject: [164234] 7090.00  
Message-ID: <20040101.210223.2791.6.QRPers@juno.com>

KG6CYN beaconing at 7090.00 cw at 0150Z

KEN BROWN N4SO  
MOBILE, AL EM50tk  
QRPers@juno.com

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

---

Date: Wed, 31 Dec 2003 20:14:58 -0600  
From: "Jim Sheldon" <w0eb@cox.net>



To: <kg6cyn@sosfthome.net>,  
"Flying Pigs Mailing List" <fpqrp-1@mpna.com>,  
Subject: [164235] Beacon on 7090 KHz  
Message-ID: <IBEGLCMLCDHHEFLBPHBOAEPMPAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Trevor,  
Checked out your beacon on 7.090. Below is the text as copied here in  
Wichita, KS at 0206Z on 1/1/2004 UTC.  
The signal varied from a 539 to 579 during the transmission. Transmission  
time was approximately 1 minute 38 seconds for a transmitted character speed  
of approximately 13.71 WPM

Good Beacon Trev.  
Jim Sheldon, W0EB -- BTW, Thanks for the piggie number this afternoon. Now  
I gotta work you again for the 2004 WAPS contest hi.

KG6CYN 40 METER PROPAGATION TEST BEACON LOS ANGELES, CA 7090 KHZ 5 WATTS  
HAPPY NEW YEAR ES HAPPY SKN 73 DE KG6CYN

-----  
Date: Wed, 31 Dec 2003 18:06:50 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <w9wis@charter.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164236] Re: Coaxial Cable Loss Calculation  
Message-ID: <029f01c3d00e\$d6347ef0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike, cable loss is proportional to length as long as the cable is uniform;  
i.e., doesn't change its properties anywhere along the length. . So a 50 ft  
cable would have half the loss of a 100 ft cable.

Take the loss figure given in dB for 100 ft and divide by 100 to get the  
loss in dB per foot, then multiply that figure by whatever length you are  
concerned with to find the total loss in dB. This works regardless of cable  
length. Lengths over 100 feet work the same way.

Hope this helps.

73, George W5YR  
w5yr@att.net

----- Original Message -----

From: "Michael Melland, W9WIS" <w9wis@charter.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, December 31, 2003 3:18 PM  
Subject: OT: Coaxial Cable Loss Calculation

> If a cable, any cable ..... for argument sake... say Andrew LDF2-50... has  
> a  
> specified loss at.... say 1000 MHz.... of 3.52 dB in 100 ft... is there a  
> way to calculate what the loss would be in different lengths ? Say for 50  
> feet ?  
>  
> The cables above are examples.... but is there a rule for calculating loss  
> for cables of any kind under 100 feet ?  
>  
> Mike  
> --  
> Michael Melland, W9WIS  
> Winneconne, WI USA  
> <http://webpages.charter.net/w9wis>  
>  
>

-----  
Date: Wed, 31 Dec 2003 22:02:05 -0500  
From: "KennyMac" <killmodell@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [164237] RE: SKN  
Message-ID: <000601c3d013\$a4280cb0\$c4e1b041@toledopc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Man o man are the bands alive with code...even some I can actually  
copy...this is very cool....I wish every night was SKN :)

I hung a slinky 80m antenna as an inverted V attached to my TV tower and  
an AT200 tuner ( I sure know what xyl stands for now... ) and all of a  
sudden my TS530 has come alive :) And all of these different styles of

sending are a blast to listen too. I can't wait to "key up" :)

This is definitely the best way to practice code.

Have a Happy New Year!

Kennymac

owner-qrp-1@Lehigh.EDU

-----  
Date: Wed, 31 Dec 2003 21:39:57 -0600  
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>  
To: "qrp list" <qrp-1@lehigh.edu>  
Subject: [164238] Ready on 7041 with TT2  
Message-ID: <006301c3d018\$ee608000\$83d0a418@jam.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just had most of a qso with a station in Colorado with a 439 skn.

Not bad for a half watt and all that qrm.

I'm listening on 7041.0 until 0400Z if anyone wants to test their ability to dig a signal out of the mud.

Mike Duke, K5XU  
American Council of Blind Radio Amateurs

-----  
Date: Wed, 31 Dec 2003 20:44:36 -0700  
From: Tim Groat <tcgroat@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [164239] Re: Which caps for VHF construction  
Message-ID: <5.1.1.6.2.20031231201349.00a2bb70@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

The self-inductance is determined mostly by the leads. Dipped mica and NP0 have essentially the same stray inductance when mounted to the PC board (5-10nH is typical with a good layout and careful workmanship).

For VHF/UHF power circuits, there are special mica caps used in strip-line circuits (think heavy-duty surface mount). These are made to handle considerable RF current, and are more expensive than leaded caps (either mica or NP0). They have very low stray inductance, because they use short fat metal strips instead of round wire leads. Likewise RF-grade ceramic chip caps are a good choice for VHF/UHF circuits. Beware of self-heating from RF current in any power application. At VHF, even small value capacitors can see high RF current: 22pF is 50ohms at 144MHz.

The same 22pF cap with 5nH lead inductance resonates at 480MHz. A 1000pF leaded capacitor is an inductor at 144MHz and up.

72,

--Tim (KROU)

>w2bvh <w2bvh@comcast.net>:

>

>I know that NP0 disc caps are better than dipped mica for temperature

>stability but which of the two are better in terms of parasitic

>inductance (self resonance) ? Are mica caps preferred for VHF (and up)

>construction ?

-----

Date: Wed, 31 Dec 2003 22:51:22 -0500

From: Peter Burbank <peterlee@qx.net>

To: "Mike Duke, K5XU" <k5xu@jam.rr.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [164240] Re: Ready on 7041 with TT2

Message-ID: <5.2.0.9.0.20031231224923.00a26c50@mail.qx.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:39 PM 12/31/2003, Mike Duke, K5XU wrote:

>I just had most of a qso with a station in Colorado with a 439 skn.

>

>Not bad for a half watt and all that qrm.

>

>I'm listening on 7041.0 until 0400Z if anyone wants to test their ability to

>dig a signal out of the mud.

>

>

>

>Mike Duke, K5XU

>American Council of Blind Radio Amateurs

Mike I have a TT2 on 7040 and will listen for you.

Pete NV4V

-----  
Date: Wed, 31 Dec 2003 21:03:13 -0700

From: Tim Groat <tcgroat@earthlink.net>

To: qrp-l@lehigh.edu

Subject: [164241] Re: antenna launcher (slingshots, etc.)

Message-ID: <5.1.1.6.2.20031231205141.00a2b1a0@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Have anyone tried a "Chuck-It" for antenna launching? This is a long plastic handle for flinging a tennis ball. The intended use is playing fetch with Fido (so you don't have to handle a ball dripping with doggy drool). It delivers pretty good range and altitude, though practice is necessary for accuracy. It bears no resemblance to a weapon, even by Mass. standards.

72,

--Tim (KR0U)

>"Lee Hopper" <leehopp@msn.com>:

>

>I too have wrestled with the problem of antenna launchers. Do you think a

>tennis ball launcher would be any better accepted? See

><<http://www.qsl.net/wb6zqz/antlaunching.html>> The thing looks lethal but it

>only shoots tennis balls.

>

>Also on the less lethal list is the good 'ol fishing rod - I wonder if you

>could cast up over a 100 ft tree...

-----  
Date: Wed, 31 Dec 2003 22:43:37 -0600

From: "rattray" <rattray@accesscomm.ca>

To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164242] Fox - Team Results...  
Message-ID: <000001c3d021\$d597cf20\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

\*Note - an addition to Hunt #18 for the NE-TX Tornados - N5ZE making  
their score total 73 for that hunt.

Hunt # 19 - W5KDJ -

QRP Cheeseheads - 70

Jerry - N9AW \*  
Rick - NK9G \* Clean  
Gary - W9XT \* Sweep  
Lon - W9XU \*  
Jim - WA9TZE \*

Cajun Thunder - 63

Wayne - K5EOA \*  
Wayne - N5YFC  
Vern - AA50 \*  
Jim - N5IB  
Chris -KD5UDB \*

The Underdogs - 62

Dan - N4ROA \*  
Dennis - N4DD \*  
Bob - KB2FEL  
Dave - W0CH \*  
Ron - KI0II \*

Team Air Pork - 43

Wayne - K9DI  
Mike - KD5KXF  
Dave - AG4PJ  
Randy - W9HL  
Jerry - N0JRN \*

Raiders of the Lost RF - 28

Rob - VE6JAZ  
Craig - VE4WI  
Fred - VE3FAL  
Earl - VA6RF  
Bruce - VE5RC

The NE-TX Tornados - 75

Bill - K5JHP \*  
Don - K5DW  
Doc - W5TB  
Lew - N5ZE  
George -W5YR \*

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Wed, 31 Dec 2003 22:48:00 -0600  
From: "rattray" <rattray@accesscomm.ca>  
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164243] Fox - Team Results...  
Message-ID: <000101c3d022\$724277d0\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hunt # 20 - K0PC -

QRP Cheeseheads - 70

Jerry - N9AW  
Rick - NK9G  
Gary - W9XT  
Lon - W9XU  
Jim - WA9TZE

Cajun Thunder - 65

Wayne - K5E0A \*  
Wayne - N5YFC  
Vern - AA50 \*  
Jim - N5IB  
Chris -KD5UDB

The Underdogs - 67

Dan - N4ROA \*  
Dennis - N4DD \* Clean  
Bob - KB2FEL \* Sweep  
Dave - W0CH \*  
Ron - KI0II \*

Team Air Pork - 43

Wayne - K9DI  
Mike - KD5KXF  
Dave - AG4PJ  
Randy - W9HL  
Jerry - N0JRN

Raiders of the Lost RF - 30

Rob - VE6JAZ \*

The NE-TX Tornados - 79

Bill - K5JHP \*

Craig - VE4WI	Don - K5DW *
Fred - VE3FAL	Doc - W5TB
Earl - VA6RF *	Lew - N5ZE *
Bruce - VE5RC	George -W5YR *

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Wed, 31 Dec 2003 21:42:48 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: Jerry Ford <benlightnd13@mchsi.com>, qrp-l <qrp-l@Lehigh.EDU>,  
FPigs <fpqrp-l@mpna.com>  
Subject: [164244] Re: [fpqrp] Joyd and Llerry  
Message-ID: <20040101054248.8033.qmail@web41006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

WAP was super...thanks to everyone who swapped  
numbers with me, those who tried, and those who put up  
with all the emails.

Working piggies became the best part of playing  
radio this year...I think at least part of that will  
stay with me.



Have a great 2004, and deeply heartfelt oinks to  
you all!

oo,

LL

--- Jerry Ford <benlightnd13@mchsi.com> wrote:  
> Thanks you Jo  
>  
> It was great fun working everyone. I hope you  
> all had as much fun  
> in this as I did.  
> I can't say I sad that it's over cuz I'm tired.  
>  
> Many thanks to each and every one of you and my best  
> to you all for a  
> very happy New Year.  
>  
> 72 / 73 es and big ole 00 Jerry  
> NOJRN  
> ----- Original Message -----  
> From: "Jo Thompson" <thompsonjo@comcast.net>  
> To: <fpqrp-l@mpna.com>  
> Sent: Wednesday, December 31, 2003 5:17 PM  
> Subject: [fpqrp] Lloyd and Jerry  
>  
>  
> > Congratulations, guys! You are both winners  
> regardless of the final  
> count! Jo  
> >  
> >  
> > -To unsubscribe, mail to majordomo@fpqrp.com, msg:  
> unsubscribe  
> fpqrp-l -  
> >  
>  
>  
> -To unsubscribe, mail to majordomo@fpqrp.com, msg:  
> unsubscribe fpqrp-l -

-----  
Do you Yahoo!?  
Find out what made the Top Yahoo! Searches of 2003  
<http://search.yahoo.com/top2003>  
-----

Date: Thu, 01 Jan 2004 00:49:23 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [164245] Short Archive  
Message-ID: <BC191F13.10A3A%JamesDuffey@comcast.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

The archive is as short as I have ever seen it. There are only 3 messages posted to the archives:

<<http://listserv.lehigh.edu/lists/Archives/qrp-l/date.html>>

Must be a Y 2004 problem. :^)

SKN is going good, and Trevor's beacon is still in here as the first hour of the new yuear comes to a close. Life ie good. - Dr. Megacyycle KK6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65  
-----

Date: Thu, 01 Jan 2004 07:16:36 -0500  
From: Kenneth Cooperstein <cprstn54@att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [164246] Center-tap rectifiers  
Message-ID: <3FF40FA4.90703@att.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii; format=flowed  
Content-transfer-encoding: 7BIT

I am trying to build a multi-battery supply and have encountered a Schottky barrier rectifier with three pins. See:  
[http://www.rectron.com/data\\_sheets/sr1620c-1660c.pdf](http://www.rectron.com/data_sheets/sr1620c-1660c.pdf)

As I understand it, this is a "center tap" rectifier and is, in essence, two separate rectifiers with their output sides shorted on the middle pin.

For such a rectifier rated at 16 amps, Does this mean each end pin can handle 16 amps? Or only 8 amps?

Assuming each end pin can handle only 8 amps, Can you use one of these for a 16 amp load? I.e. if you have one lead that will carry 16 amps, can you just split it to the two end pins?

What is the purpose of using the three-pin arrangement? I note that the 8 amp rectifiers have only two pins.

Ken KC2JDY

-----  
Date: Thu, 1 Jan 2004 07:19:53 -0500  
From: "Paul Valko - W8KC" <w8kc@comcast.net>  
To: <tentec@contesting.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164247] SKN 7.040 Stream on again  
Message-ID: <008001c3d061\$900be690\$6401a8c0@hamshack1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Decided to put my original Novice rig, an HW-16, back on the air during SKN. So the streaming audio was off most of the night. I think I hear the K beacon on 7.040 right now - very weak.

SKN was fun, but I'd forgotten how much work the old pump is! Nice to see the tubes glowing in the ol' Griefkit as well. I have a microphonic (remember those) in a 6HF8 if anyone has a spare :-)

Oh yeah, the Internet stream! It's back up today.  
<http://www.w8kc.com/stream.aspx>

eSWL Cards appreciated.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics.  
Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>

-----  
Date: Thu, 1 Jan 2004 07:30:53 -0500

From: <bill@n4qa.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [164248] All tuned up on 7130 and ready to go...well, almost...  
Message-ID: <000701c3d063\$1a9f67e0\$1e27ad80@f1n5n8>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, 80 was fun last night. Worked stns from Canada to Cuba.  
Just came back from the fencepost after re-tuning the antenna for 40  
meters...it was still pretty dark out there amongst all those Cedars.  
The needle on the WM-2 was barely visible :0)  
The TS-440S makes such a fine antenna tuner-upper generator...it's never  
blown up on me as I move around the coax connections during tune-up.  
Guess the 440's SWR fold-back circuit really works... I do set its power  
limit to around 2 Watts into the dummy(Bill) load before beginning.  
Now if that SWBC stn on 7130 KHz would only give it a rest...  
You know, that light workout with the weights really helped with the stamina  
for hanging in there with the J-38 !

73.  
Bill, N4QA  
<http://www.n4qa.com>

-----  
Date: Thu, 01 Jan 2004 06:33:50 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: kg6cyn@softhome.net,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164249] Re: Beacon active on 7.090 (2004)  
Message-ID: <3.0.2.32.20040101063350.00862bb0@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Trevor,

Here in EM22cv, the signal strength at 1130 UTC with rapid QSB is S1 to S9.  
(indicated on the rig S meter).

Rig is FT-857 and antennas are Butternut vertical and 88 ft EDZ at 30 ft.  
The 857 DSP is good and was able to copy the signal through the noise quite  
well. There is a storm front moving into the area.

At 1200 UTC, the signal is down some to about S1 to S5 with rapid QSB.

At 1230 UTC down to S0 to S3 but could copy OK even with QSB. Noise is also down from an hour ago.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57  
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

-----  
Date: Thu, 1 Jan 2004 08:01:37 -0500  
From: "John Huffman" <hjohnc@core.com>  
To: <Adventureradiosociety-announcements@mailman.qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164250] January Spartan Sprint Announcement  
Message-ID: <004801c3d067\$64c13b60\$cfac59cf@jhuffmanlt>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Spartan Sprint Contest Monday -

Start off the New Year right! Do the Sprint!

The January Spartan Sprint will be held on Monday, January 5, 2004 (which is our standard date--the first Monday of the month). It's two hours of fun as you contact other QRP CW stations on 80, 40, 20, 15, and/or 10 meters. The contest starts at 9 pm EST, 8 pm CST, 7 pm MST, and 6 pm PST. That's 0200-0400 UTC.

The Spartan Sprint exchange is RST - State - Power (e.g. 559 MI 5W).  
Contest details and rules are below.

In your Soapbox comments after the contest, start by listing your radio and antenna. We think everyone would be interested in this information.

It's winter and it's a lot tougher to be outside, but we will continue our special recognition for those who operate outdoors. If you operate outdoors, please note it in your Soapbox comments after the contest.

If it's portable and outdoors, it's Adventure Radio!

NOTE - The deadline for logs is noon on Wednesday, Pacific Time.

There's more details at  
[www.ARSqrp.com](http://www.ARSqrp.com)  
and you'll find the autolog there. The autolog page is  
[www.ARSqrp.com/ars/ss\\_log.html](http://www.ARSqrp.com/ars/ss_log.html)  
We've made a few changes to clarify what information goes in each box.

Good luck on Monday!

#### Contest Rule Summary -

You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-.

We commend the winners in two categories--overall points (the Tubby Division), and points per pound (the Skinny Division). We show everyone's score in both categories.

The exchange RST, SPC (state, province or country) and power output.

If you choose to call CQ, use the format "CQ SP".

You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to  
[www.ARSqrp.com/ars/ss\\_log.html](http://www.ARSqrp.com/ars/ss_log.html)

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers, batteries, and power supplies used during the Sprint. The specifics of our weight rules for the Skinny Division and several examples can be found at:  
[www.ARSqrp.com/ars/pages/spartan\\_sprints/ss\\_weight\\_rules\\_new.html](http://www.ARSqrp.com/ars/pages/spartan_sprints/ss_weight_rules_new.html)

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday at noon.

73 de NA8M  
John  
Contest Manager

-----

Date: Thu, 1 Jan 2004 07:12:50 -0600  
From: Wayne Rogers <w5kdj@juno.com>  
To: kg6cyn@softhome.net, qrp-l@lehigh.EDU  
Subject: [164251] Re: Beacon active on 7.090  
Message-ID: <20040101.071250.-1599723.0.w5kdj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Have a 539 again at 1300z from NW Houston.

-----  
Date: Thu, 1 Jan 2004 08:27:31 -0500  
From: "John" <johndorson@worldshare.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164252] Toroid on coax  
Message-ID: <00af01c3d06b\$06326570\$1a398d41@ATHOME>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I need to add one or more toroids to my RG-174U coax feed line going to my PAC-12. Andy Palm said he uses one FT 114-43 and wraps about 9 turns around the core.

Before I start trying to find the core has anyone else used a different method. Seems I have seen a set-up of a number of smaller cores with the coax passed thru them.

Happy New Year to all.  
Thanks.  
John K2JHU...  
South Island Real Estate  
johndorson@worldshare.net

-----  
Date: Thu, 1 Jan 2004 08:51:33 -0500  
From: "Kevin Gray" <k8su@adelphia.net>  
To: <qrp-l@lehigh.edu>  
Subject: [164253] Items FS MFJ 971 Portable Tuner, MFJ-4114 Portable Power Pack  
Message-ID: <OCEPILKFPJMGHKIMLFOCGENKDJAA.k8su@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

FS:

MFJ-971 Antenna tuner. \$68

MFJ-4114 Portable Rechargeable Power Pack \$49

Please email if interested.

k8su@adelphia.net

73

Kevin

-----  
Date: Thu, 01 Jan 2004 08:43:50 -0600  
From: John Oppenheimer <kn5l@gte.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164254] Re: Center-tap rectifiers  
Message-ID: <3FF43226.B89BC997@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Kenneth Cooperstein wrote:

>  
> I am trying to build a multi-battery supply and have encountered a  
> Schottky barrier rectifier with three pins. See:  
> [http://www.rectron.com/data\\_sheets/sr1620c-1660c.pdf](http://www.rectron.com/data_sheets/sr1620c-1660c.pdf)  
>  
> As I understand it, this is a "center tap" rectifier and is, in essence,  
> two separate rectifiers with their output sides shorted on the middle pin.  
>  
> For such a rectifier rated at 16 amps, Does this mean each end pin can  
> handle 16 amps? Or only 8 amps?

Probably, each diode can handle 8 amps, for a total of 16 amps on the common pin.



> Assuming each end pin can handle only 8 amps, Can you use one of these  
> for a 16 amp load? I.e. if you have one lead that will carry 16 amps,  
> can you just split it to the two end pins?  
>  
> What is the purpose of using the three-pin arrangement? I note that the  
> 8 amp rectifiers have only two pins.

Center tapped transformer applications. And cost. Every pad on a circuit board costs money, at high volumes, it adds up. So why have two diodes to stuff and four pads when one component and three pads will do the job. Most everything is driven by cost;-)

John

-----  
Date: Thu, 1 Jan 2004 14:44:54 -0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: <cprstn54@att.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164255] Re: Center-tap rectifiers  
Message-ID: <Law15-DAV61D3gFr46x00014db6@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Kenneth Cooperstein" <cprstn54@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 01, 2004 12:16 PM  
Subject: Center-tap rectifiers

> I am trying to build a multi-battery supply and have encountered a  
> Schottky barrier rectifier with three pins. See:  
> [http://www.rectron.com/data\\_sheets/sr1620c-1660c.pdf](http://www.rectron.com/data_sheets/sr1620c-1660c.pdf)  
>  
> As I understand it, this is a "center tap" rectifier and is, in essence,  
> two separate rectifiers with their output sides shorted on the middle pin.  
>  
> For such a rectifier rated at 16 amps, Does this mean each end pin can  
> handle 16 amps? Or only 8 amps?  
>  
> Assuming each end pin can handle only 8 amps, Can you use one of these  
> for a 16 amp load? I.e. if you have one lead that will carry 16 amps,

> can you just split it to the two end pins?  
>  
> What is the purpose of using the three-pin arrangement? I note that the  
> 8 amp rectifiers have only two pins.

It's intended for switch-mode PSs. You'll probably find a circuit using a similar diode with a bit of Googling.

73, Leon

--

Leon Heller, G1HSM

Email: [aqzf13@dsl.pipex.com](mailto:aqzf13@dsl.pipex.com)

My low-cost Philips LPC210x ARM development system:

[http://www.geocities.com/leon\\_heller/lpc2104.html](http://www.geocities.com/leon_heller/lpc2104.html)

-----  
Date: Thu, 1 Jan 2004 10:45:36 -0500  
From: "Joseph Trombino Jr" <[w2kj@bellsouth.net](mailto:w2kj@bellsouth.net)>  
To: "QRP-L" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [164256] Drake 2NT with HA5 VFO  
Message-ID: <006001c3d07e\$4d3547e0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

Made several contacts last nite on SKN with the 2NT/2C using xtal control.  
Had problems when trying to use the VFO.

Hosing up the VFO to the TX didn't produce output when I keyed the TX. I  
had to strap the "KEY" contacts on the back of the VFO to get output from  
the TX. Only problem now was that I had the VFO sig in the RX big time.

BTW, the 2NT doesn't go into using a VFO with the rig so no help there.

How do you connect a VFO up to a 2NT....and how do you key the combo???

Boy, do I feel dumb...I did this as a novice with my DX20 and Eico 722 VFO  
but now in modern days I simply can't remember how I did it back then.

technology

73, Joe W2KJ

In the dark with the old

-----  
Date: Thu, 1 Jan 2004 20:53:20 -0700  
From: "Chris Trask" <chistrask@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [164257] OT: Terror Almanacs  
Message-ID: <014201c3d0e3\$f8831680\$47044bab@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Sorry for the off-topic content, but this has me seething. While looking at the CBS homepage the other day, I came across this completely unbelievable but true story:

<http://www.cbsnews.com/stories/2003/12/29/terror/main590608.shtml>

Are we actually paying people in Washington to come up with this stuff? The government can have my Old Farmer's Almanac when they peel my cold, stiff fingers from the astrological calendar tables.

I'm going to have bumper stickers made that say things such as:

"I have an almanac and I know how to use it"

and business cards that say:

"Have Almanac, Will Travel"

For now, I went out and bought a 2004 edition of the Old Farmer's Almanac and put it on my dashboard.

Chris

```

      ,-----,
      /   What's all this   \
      / extinct stuff, anyhow? \
      \-----,-----'
      _|/
oo\
(--) \
      \   . ' .
      \   ' '
      \   ( )
      \   '-| )__| :. \

```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)

| | | | \ ' . http://www.home.earthlink.net/~chistrask  
c\_\_ ; c\_\_ ; ' -.. ' > .\_\_

Graphics by Loek Frederiks

-----  
Date: Thu, 1 Jan 2004 10:57:57 -0500  
From: "Tom" <kf4yyd@adelphia.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [164258] New Years Goals  
Message-ID: <EIEBLEILGEEGMLHGHOAGMEGNDBAA.kf4yyd@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Happy New Year to everyone!

I'm hoping that 2004 will be much better to me than was 2003, actually anything has to be better than last year.....Laid-off, started new career with more than 50% cut in pay, unexpected guardianship of 14 year old eating machine, hurricane Isabel destroying my dipole after I finally got it up to about 45 feet. On the plus side I was able to get my SW-40+ on the air and I did finally make a CW contact, two actually, but now I have no idea where my log book is.

I think this year I am going to set my goals much much lower. I just got back in from setting up my too low dipole, apex at 20 feet, and I'll see if I can still copy any CW. I have decided to abandon the idea of buying a fancy bells and whistle first (full blown) station rig and instead think I will try to save my money and get something like a Kenwood TS 520 to go with my SW-40. Get my Az Scorpion paddles put together and see if I can learn to use them with my long ago built but never used TiCK 4 keyer and finally get some air time so that I can quit reading about all the fun you guys have on the air and see if I can get in on the action. Maybe I can even give Jerry and Lloyd that rare virgin FP# 610 Hi Hi....

Again hope every one has a great New Year!!!!!!!

73, de Tom kf4yyd Fredericksburg Virginia

IDHACWID\* QRP Club #1

\*I Don't Have A Clue What I'm Doing

-----  
Date: Thu, 1 Jan 2004 10:35:06 -0500 (EST)  
From: ham@w3eax.umd.edu  
To: eax@w3eax.umd.edu, qrp-1 <qrp-1@lehigh.edu>  
Subject: [164259] So...we moved to Eugene to be out of the snow...  
Message-ID: <Pine.LNX.4.44.0401011032260.3590-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

HNY y'all!

One of the most popular questions we get is, "does it snow in Eugene?"

"Naah," we say, "it just rains."

Apparently that's not completely true, especially when you live at 1000 feet and the snow level is at 500 feet!

After getting home at 10 last night, it apparently started snowing around 2 a.m. and, well...

We've got probably six inches now, and the forecast is for continuation of the same conditions we've got now THROUGH SUNDAY.

Happy New Year, everyone! I can only imagine 2 feet of snow here.

Scott Rosenfeld ARS N7JI  
541-684-9970 Eugene, OR Land o' much rain  
If you find me on the air, I'm probably in my car  
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

-----  
Date: Thu, 1 Jan 2004 11:07:11 -0500 (Eastern Standard Time)  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: <qrp-1@Lehigh.EDU>, <w2kj@bellsouth.net>  
Subject: [164260] Re: Drake 2NT with HA5 VF0  
Message-ID: <3FF445AF.000001.02752@etower>  
MIME-Version: 1.0  
Content-Type: Text/Plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It may be as simple as running wires from the key to both the vfo and transmitter. If the voltages from the case to the keyed lead are the same sense (either both positive or both negative) try just keying them both at the same time. Alternately you could use a relay controlled by the key with separate contacts to key the VFO and transmitter. If there is chirp keying the VFO, then you may want a VOX-like circuit with some delay time keeping the VFO turned on between the dits and dahs for a while. A 555 timer chip driving a relay should work well.

73/72 - Mike WA8BXN  
Happy New Year to all!

-----Original Message-----

From: w2kj@bellsouth.net  
Date: 01/01/04 10:52:02  
To: Low Power Amateur Radio Discussion  
Subject: Drake 2NT with HA5 VFO

Howdy Gang:

Made several contacts last nite on SKN with the 2NT/2C using xtal control. Had problems when trying to use the VFO.

Hosing up the VFO to the TX didn't produce output when I keyed the TX. I had to strap the "KEY" contacts on the back of the VFO to get output from the TX. Only problem now was that I had the VFO sig in the RX big time.

BTW, the 2NT doesn't go into using a VFO with the rig so no help there.

How do you connect a VFO up to a 2NT....and how do you key the combo???

Boy, do I feel dumb...I did this as a novice with my DX20 and Eico 722 VFO but now in modern days I simply can't remember how I did it back then.

73, Joe W2KJ  
In the dark with the old  
technology

-----  
Date: Thu, 1 Jan 2004 11:24:16 -0500

From: "NZ8J" <nz8j@woh.rr.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [164261] FS: MFJ-751B external audio peak/notch filter  
Message-ID: <014201c3d083\$b3daf3f0\$6400a8c0@NZ8J>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Makes a real nice addition to a rig that lacks filtering, and works also works well to eliminate most hiss/thumps/audio noise that may be present. Works great, has tunable center frequency and bandwidth so you can match any sidetone frequency you might have. Can be used as a peak or notch filter. In nice condition, couple scratches on top, face is perfect. with original manual.

\$33.50 shipped priority mail in the lower 48.

Thanks  
Tim  
NZ8J

-----  
Date: Thu, 01 Jan 2004 09:28:02 -0700  
From: Ken <kloc@commspeed.net>  
To: qrp-l@lehigh.edu  
Subject: [164262] Ten-tec RX-320  
Message-ID: <5.2.1.1.2.20040101092537.00afc8c8@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Group,

Happy New Year and....

Anyone have a RX-320, was wondering how they liked it compared to conventional receivers?

Ken - WA4MNT

-----  
Date: Thu, 1 Jan 2004 11:45:32 -0500  
From: "Cal Cotner" <cal.jsi@verizon.net>  
To: "QRP-L" <qrp-l@Lehigh.edu>  
Subject: [164263] Re: Drake 2NT with HA5 VFO

Message-ID: <000301c3d086\$ac5f2ee0\$fc53fea9@Sharon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Joe,

Dragged out the manual for my 2NT and looked at the schematic. There should be a phono jack on the back of your 2NT marked "VFO Key". It provides a normally open contact on the relay inside the transmitter that closes on transmit. You want to connect a line from it to the terminal strip on the VFO, with the "hot" side connected to the center conductor of the phono jack. That should key the VFO on when you transmit. You can zero the other guy with, I think, the slide switch on the upper left hand side of the HA-5 front panel.

Hope this helps.

72/73

Cal K4JSI

-----  
Date: Thu, 01 Jan 2004 12:08:21 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: w2kj@bellsouth.net,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [164264] Re: Drake 2NT with HA5 VFO  
Message-ID: <6.0.0.22.2.20040101120724.03e74008@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I THINK I turned over the crystal plug-even though it was then backwards ground/coax-wise.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;



SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Thu, 1 Jan 2004 12:18:33 -0500  
From: "Joseph Trombino Jr" <w2kj@bellsouth.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [164265] 2NT and HA5 VFO  
Message-ID: <008f01c3d08b\$48e98180\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

Finally found out how to key the 2NT and VFO together. There is a "VFO KEY"  
RCA connector on the back of the 2NT and that has to be hosed up to the VFO  
key connector. Not readily apparent and of course nothing in the 2NT  
instructions on how to do that.

OK....watch out for me on 40m VFO controlled.

73, Joe W2KJ

-----  
Date: Thu, 01 Jan 2004 12:19:20 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: cprstn54@att.net, QRP-L <qrp-l@lehigh.edu>  
Subject: [164266] Re: Center-tap rectifiers

Message-ID: <6.0.0.22.2.20040101121526.03e83d90@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

16A total Ken. It is, in essence, a pair 1/2 wave rectifiers, for use with a CT transformer-unless you choose to use only one or the other of the rectifiers in the case of a NON-CT xfmr. (Yes, you can parallel the pair for more than 8A-in these days-or so I hear, but I don't trust that, and never will.)

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
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temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Thu, 1 Jan 2004 10:36:02 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: John <johndorson@worldshare.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164267] Re: Toroid on coax

Message-ID: <Pine.LNX.4.44.0401011032260.5291-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 1 Jan 2004, John wrote:

> I need to add one or more toroids to my RG-174U coax feed line going to my  
> PAC-12. Andy Palm said he uses one FT 114-43 and wraps about 9 turns around  
> the core.

That should work but is kind of heavy.

>  
> Before I start trying to find the core has anyone else used a different  
> method. Seems I have seen a set-up of a number of smaller cores with the  
> coax passed thru them.  
>

On my W3FF dipole feedline I have 5 small powdered iron torids  
taped to the top of the coax. It seems to do a fine job of stopping rf  
current from flowing on the outside of the coax.

Happy New Year John

> Happy New Year to all.  
> Thanks.  
> John K2JHU...  
> South Island Real Estate  
> johndorson@worldshare.net  
>  
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Thu, 01 Jan 2004 17:33:54 +0000  
From: Chuck Adams <k7qo@commspeed.net>  
To: qrp-l@lehigh.edu  
Subject: [164268] XG1 photos added with TenTec Argonaut V  
Message-ID: <5.2.1.1.0.20040101173125.01324b70@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

On

<http://www.qsl.net/k7qo/xg1.html>

I added photos number 42, 43, and 44 showing the XG1 hooked up to the Argonaut V and the S-meter reading. You'll note the 7.040000 reading using the TXCO option that came with the V.

FYI

Chuck Adams K7QO k7qo@commspeed.net  
<http://www.qsl.net/k7qo> CP-60

Moving to Arizona? Please bring your own water.

-----  
Date: Thu, 01 Jan 2004 13:25:32 -0500  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: Chris Trask <chistrask@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164269] Re: OT: Terror Almanacs  
Message-ID: <3FF4661C.1020507@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Just think - if Ben Franklin were alive today, Poor Richard's Almanac would be subversive literature!

Al, K2ZN

-----  
Date: Thu, 1 Jan 2004 13:28:32 -0500  
From: "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [164270] Re: Terror Almanacs  
Message-ID: <006501c3d095\$0fd7a0c0\$48708318@ce1.client2.attbi.com>  
MIME-Version: 1.0

```
Content-Type: text/plain;  
            charset="Windows-1252"  
Content-Transfer-Encoding: 7bit
```

makes ya wonder why they haven't targeted portable gps units. after all, it's not so difficult to store coordinates in one of however many memory banks...

patrick...kb8rtz...

```
...directions? who needs directions? we'll get there when we find the
place...
```

```
> Sorry for the off-topic content, but this has me seething. While
> looking at the CBS homepage the other day, I came across this completely
> unbelievable but true story:
```

```
> http://www.cbsnews.com/stories/2003/12/29/terror/main590608.shtml
```

> Are we actually paying people in Washington to come up with this stuff?  
The

> government can have my Old Farmer's Almanac when they peel my cold, stiff  
> fingers from the astrological calendar tables.

```
> I'm going to have bumper stickers made that say things such as:
```

```
> "I have an almanac and I know how to use it"
```

```
> and business cards that say:
```

```
> "Have Almanac, Will Travel"
```

```
> For now, I went out and bought a 2004 edition of the Old Farmer's
> Almanac and put it on my dashboard.
```

```
> Chris
```

```
>
> /      What's all this      \
> / extinct stuff, anyhow?   /
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>          . ( ) \
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# High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

>       '-| )\_\_| :. \                   Email: christrask@earthlink.net  
>       | | | | \ '                   http://www.home.earthlink.net/~christrask  
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>                   Graphics by Loek Frederiks  
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Date: Thu, 1 Jan 2004 13:50:53 -0500  
From: "NZ8J" <nz8j@woh.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164271] \*\*\*SOLD\*\*\*Re: MFJ-751B external audio peak/notch  
filter\*\*\*SOLD\*\*\*  
Message-ID: <019401c3d098\$2ef59a40\$6400a8c0@NZ8J>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The filter has been sold, thanks to all  
73  
Tim  
NZ8J

----- Original Message -----  
From: "NZ8J" <nz8j@woh.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, January 01, 2004 11:24 AM  
Subject: FS: MFJ-751B external audio peak/notch filter

> Makes a real nice addition to a rig that lacks filtering, and works also  
> works well to eliminate most hiss/thumps/audio noise that may be present.  
> Works great, has tunable center frequency and bandwidth so you can match  
any  
> sidetone frequency you might have. Can be used as a peak or notch filter.  
In  
> nice condition, couple scratches on top, face is perfect. with original  
> manual.  
> \$33.50 shipped priority mail in the lower 48.  
> Thanks  
> Tim  
> NZ8J  
>

>  
>

-----  
Date: Thu, 1 Jan 2004 14:13:59 -0500  
From: "John Farnsworth" <johnfarns@bellsouth.net>  
To: "qrp-1@Lehigh. EDU" <qrp-1@Lehigh.EDU>  
Subject: [164272] slingshots, cannons, antennas and the LAW  
Message-ID: <DIEHLGHLBGPNJENLGEBKKEAECCAA.johnfarns@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It's downright goofy that anybody would take a ham to task for using a slingshot to put up an antenna. Now a cannon, that's even more fun! My neighbor thinks I've lost it when I'm running around the property yanking on wires and strings into the trees . . . .But they don't call the cops, either. Now the cannon . . . their young son gets a gleam in his eye when I drag "the blooper" out.

If anybody from the list ever needs to borrow it, it's available. It'll put a tennis ball with 2 extra oz. of weight into just about any tree you could find. I typically use it now only when the wind blows something down, so most of the time it just hangs around the garage looking for work. I'll even include the cannon permit, looks official, might help.

Also, if anybody wants to build their own, some of the pvc fittings are kinda odd and not always available at the local home depot. I ended up with extras of almost all of the bits and pieces, so if you get in a building mood in '04, let me know.

-----  
Date: Thu, 1 Jan 2004 13:22:16 -0600  
From: Wayne Rogers <w5kdj@juno.com>  
To: qrp-1@lehigh.EDU  
Subject: [164273] FOX Log W5KDJ- 12/2003  
Message-ID: <20040101.132217.-1753207.0.w5kdj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I made 1 name and 1 state correction, any others?

1	02:03	N9NE	559	WI	TODD	5	559
2	02:04	K0EVZ	579	NM	DOC	5	559
3	02:05	AC5JH	559	OK	TOM	5	559
4	02:05	K5JHP	559	TX	BILL	5	559
5	02:07	N4DD	559	TN	DENNIS	5	559
6	02:08	N3BJ	559	VA	ALAN	5	559
7	02:09	KK5LD	559	TX	DP	5	559
8	02:09	KL7V	559	OK	SAM	5	559
9	02:10	N5UW	599	OK	CLIFF	5	559
10	02:11	W5YR	559	TX	GEORGE	5	559
11	02:12	K5OI	559	OK	TIM	5	559
12	02:13	W9XT	559	WI	GARY	5	559
13	02:14	AG0T	559	ND	TODD	4	559
14	02:17	W0CH	559	MO	DAVE	5	559
15	02:17	K5MVR	559	TX	RON	5	559
16	02:19	N4ROA	559	VA	DAN	5	559
17	02:20	W9XU	559	WI	LON	5	559
18	02:21	KI0II	559	CO	RON	5	559
19	02:24	N1FN	559	CO	ET	5	559
20	02:25	W5JAY	559	AR	JAY	1	559
21	02:26	NM5M	559	TX	ERIC	5	559
22	02:28	WA9TZE	559	WI	JIM	5	559
23	02:28	KT5V	559	TX	DAVID	5	559
24	02:30	N1TP	559	FL	TOM	5	559
25	02:32	N0TK	559	MN	DAN	5	559
26	02:32	K5SR	559	TX	DALE	5	559
27	02:33	N0JRN	559	MO	JERRY	5	559
28	02:36	KR0U	579	CO	TIM	5	559
29	02:37	K0LOA	559	TX	DWAIN	5	559
30	02:38	K3PH	559	PA	BOB	5	559
31	02:39	K5IC	359	NM	AUDIE	5	559
32	02:40	AK5X	559	TX	BILL	5	559
33	02:41	KG0PP	559	CO	JIM	5	559
34	02:45	KJ0C	559	MO	JIM	5	559
35	02:46	W5USJ	439	TX	CHUCK	5	559
36	02:51	AB9CA	339	AL	DAVE	5	559
37	02:53	WB4X	559	NC	BRENT	5	559
38	03:03	N0EA	559	MO	WAYNE	5	559
39	03:11	W2LJ	339	NJ	LARRY	4	559
40	03:15	K5DI	559	NM	KARL	5	559
41	03:25	N9AW	349	WI	JERRY	5	559
42	03:29	NK9G	559	WI	RICK	5	559
43	03:30	AA5O	559	LA	VERN	5	559
44	03:31	K5E0A	559	LA	WAYNE	5	559
45	03:32	K6ACJ	579	CA	BILL	5	559



46	03:34	KD5UDB	559	LA	CHRIS	5	559
47	03:42	KB9YIG	339	IN	TONY	2	559
48	03:58	WN4W	559	TN	GREG	5	559

Wayne\_W5KDJ  
 ex: SV0WWW\_TF2WJN 100% CW  
 ARS\_1392 ARCI\_11325 FP-626 e-QSL  
 FISTS\_10060 SOC\_538 HQRP ARRL

-----  
 Date: Thu, 1 Jan 2004 13:29:14 -0600  
 From: "sjolin" <sjolin@swbell.net>  
 To: "Chris Trask" <chistrask@earthlink.net>,  
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Subject: [164274] Re: Terror Almanacs  
 Message-ID: <0bee01c3d09d\$8b1d4520\$78d1fea9@DaveSjolin>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
 charset="Windows-1252"  
 Content-Transfer-Encoding: 7bit

Chris, I think you are being a little silly, even for a liberal. The alert that terrorists are more likely than the average citizen to be carrying an almanac with them on their travel or in their car seems sound to me. Notifying law enforcement to be alert to such things seems a lot better way of dealing with security than giving full body searches to grandmothers in wheelchairs. But then which is more PC?

73 de Dave, N0IT

----- Original Message -----  
 From: "Chris Trask" <chistrask@earthlink.net>  
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Sent: Thursday, January 01, 2004 9:53 PM  
 Subject: OT: Terror Almanacs

> Sorry for the off-topic content, but this has me seething. While  
 > looking at the CBS homepage the other day, I came across this completely  
 > unbelievable but true story:  
 >  
 > <http://www.cbsnews.com/stories/2003/12/29/terror/main590608.shtml>  
 >  
 > Are we actually paying people in Washington to come up with this stuff?  
 The

> government can have my Old Farmer's Almanac when they peel my cold, stiff  
> fingers from the astrological calendar tables.

>

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>

> "I have an almanac and I know how to use it"

>

> and business cards that say:

>

> "Have Almanac, Will Travel"

>

> For now, I went out and bought a 2004 edition of the Old Farmer's  
> Almanac and put it on my dashboard.

>

> Chris

>

> /-----  
> / What's all this \ High Performance Mixers and  
> / extinct stuff, anyhow? \ Amplifiers for RF Communications

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High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 01 Jan 2004 14:34:26 -0500  
From: Steven Weber <[kd1jv@moose.ncia.net](mailto:kd1jv@moose.ncia.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [164275] SKN a bust  
Message-ID: <3.0.6.32.20040101143426.007d0e80@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Heard a ton of stations, but couldn't get anyone to hear my CQ's or hear me call them. This confirms something I've suspected for awhile, my roof mounted NVIS dipole doesn't work at night when the band goes long. It works during the day and at gray line, but after that, nothing. Oh well, guess I'll have to stick with operating here in the afternoon..

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Thu, 1 Jan 2004 12:02:57 -0800  
From: Mik Ishmael <mightymik2@comcast.net>  
To: Low Discussion <qrp-l@lehigh.edu>  
Subject: [164276] OT: HTX-10 and CTCSS board...  
Message-ID: <7E4888C3-3C95-11D8-A845-000A277EDE44@comcast.net>  
Mime-Version: 1.0 (Apple Message framework v553)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

anyone successfully put a CTCSS (pl) board into a RS HTX-10 for 10FM?

-----  
Date: Thu, 1 Jan 2004 16:15:54 -0600  
From: "Nick Kennedy" <wa5bdu@tcainternet.com>  
To: <k5di@zianet.com>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [164277] RE: [qrp-l] Re: Toroid on coax  
Message-ID: <000201c3d0b4\$d2c4cf30\$0400000a@wa5bdu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Karl, I don't think iron powder is a good choice for this application (compared to ferrite) because in general its much lower permeability will give much less common mode choking impedance.

I use the multiple single bead approach on my choke balun, but it's made from RG-58 size coax. RG-174 is small enough that multiple turns through a small ferrite ring is a good solution. But if that appears to

be overly bulky, the use of a number of ferrite beads in line would probably be fine too. No tables in front of me, but I suspect you'd want more beads due to the smaller size and corresponding smaller inductance of the little ones. I have ten on my medium sized coax. Maybe 20 would be a good guess for RG-174.

Happy 2004 Everyone,

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Karl Larsen

On Thu, 1 Jan 2004, John wrote:

> I need to add one or more toroids to my RG-174U coax feed line going  
> to my PAC-12. Andy Palm said he uses one FT 114-43 and wraps about 9  
> turns around the core.

That should work but is kind of heavy.

>

On my W3FF dipole feedline I have 5 small powdered iron torids taped to the top of the coax. It seems to do a fine job of stopping rf current from flowing on the outside of the coax.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Thu, 01 Jan 2004 20:14:56 +0000

From: "Bruce Prior" <n7rr@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [164278] KX1: A Fourth Undocumented Receive Mode/Frequency Memory for Each Band

Message-ID: <BAY1-F79QNTHZRwacUW0002273e@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

The Elecraft KX1 Transceiver Owner's Manual says: "Three frequency memories are available on each band, accessed using the RCL (recall) menu item." (p. 67)

That understates the memory capabilities of the KX1. There are actually four memories per band, and both receive mode (normal, LSB and USB) and frequency are saved in each of the four memories per band. The fourth memory for each band is a temporary one which is saved each time the blue BAND button is tapped once.

The documented purpose of tapping BAND once is to display the current receive mode and frequency on the low-current LED display. If the audio feedback system is enabled via the CFb menu item or via holding MENU or BAND or RIT upon power-up, then the receive mode and frequency to the nearest kilohertz are enunciated in audible Morse when the BAND button is tapped once.

This temporary memory is a most useful operating tool in the KX1 which I use frequently. Having tapped BAND once, whenever I turn the rig off or whenever I return to the original band after having switched bands, that temporary receive mode and frequency will be available for immediate use. Note that if I change bands or turn the rig off without having first temporarily saved the receive mode and frequency by tapping the BAND button, then that receive mode and frequency will not be saved. Suppose, for example, in a crowded tent the tuning encoder gets jostled. If I hadn't already locked the encoder electronically, I could still return to my operating frequency if I had saved it to this temporary memory.

72,

J. Bruce Prior N7RR  
Kairos Research  
853 Alder Street  
Blaine, WA 98230-8030  
360-332-6046

Patronize tobacco-free enterprises and institutions.

---

Make your home warm and cozy this winter with tips from MSN House & Home.  
<http://special.msn.com/home/warmhome.armx>

---

Date: Thu, 01 Jan 2004 13:17:52 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: <johndorson@worldshare.net>  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [164279] Re: Toroid on coax  
Message-ID: <BC19CE80.10A63%JamesDuffey@comcast.net>

Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

John - You can string ferrite beads on the RG-174 to make a bead balun. Mouser sells these beads as EMI shield beads. RG-174 has an OD of 0.1 inches or so; there is a bead 0.197 inches in diameter that should work, it is part number 523-2643002402. This is a type 43 ferrite that should work fine as a balun from 40 M up. You will need about 20 to 30 of the beads, but at \$.18 each that is not a lot of money. They also have a part that is 0.094 inches in diameter, which will work if you remove the outer insulation from the RG-174. Secure the beads with heat shrink tubing.

The toroid has the advantage that the inductance grows as  $n^2$  (n-squared) where n is the number of turns. Thus it is easy to get lots of inductance with a few turns on a toroid, while with a bead balun you need to add more beads to get more inductance as that increase in inductance only grows linearly with the number of beads you add.

So, the FT114-43 might be a better choice.

But, you can also buy a 0.605 inch diameter (ID) EMI shield bead that is 1.125 inches tall from Mouser that you can use as a toroid. 5 or 6 turns of RG-174 ought to fit with a bit of crowding. That is part number 523-2643102002. At \$1.67, it will probably be cheaper than using an equivalent number of smaller ID beads to make a bead balun. Just wind as many turns on the bead as will fit.

Ferrite is usually better than iron powder cores for broad band baluns as it offers a great deal more inductance per turn.

I hope that this helps - Dr. Megacycle KK6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
  
Date: Thu, 1 Jan 2004 20:39:21 +0000 (UTC)  
From: Paul Mills <quahog@localnet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [164280] Yup, went and ordered a K1, finally...  
Message-ID: <Pine.LNX.4.53.0401012035290.408@daystar.localnet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Look for me on 40 and 20 in a couple weeks from here on Cape

Cod. Santa gave me permission to get a K1. The boy's home from  
UMASS and is gonna get a J - O - B ! ! !

PAUL KB1GEJ

-----  
Date: Thu, 1 Jan 2004 16:02:18 -0500  
From: "Brad Hedges" <bhedges@nc.rr.com>  
To: <quahog@localnet.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164281] Re: Yup, went and ordered a K1, finally...  
Message-ID: <000501c3d0aa\$8aefe0a0\$e0272118@nc.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Me too! Ordered my K1-4 yesterday morning! Can't wait.

See you on the bottom of the bands,  
K0BHC  
Brad

----- Original Message -----

From: "Paul Mills" <quahog@localnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 01, 2004 3:39 PM  
Subject: Yup, went and ordered a K1, finally...

> Look for me on 40 and 20 in a couple weeks from here on Cape  
> Cod. Santa gave me permission to get a K1. The boy's home from  
> UMASS and is gonna get a J - O - B ! ! !  
>  
> PAUL KB1GEJ

-----  
Date: Thu, 1 Jan 2004 13:08:41 -0800  
From: "Bill Linn" <wlinn@smgazette.com>  
To: <kd1jv@moose.ncia.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164282] Re: SKN a bust  
Message-ID: <004001c3d0ab\$700a15c0\$bc70ef42@wa7tqk>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Steven, sorry SKN didn't work out for you... I snuck down to the shack around 5 PM PST, hooked the homebrew 500 mW rig to the G5RV and an old telegraph paddle with the sounder. I heard a strong signal on 7.040 in QSO with another station. I tail ended the QSO and got a 559 from AB7MP, Mark, in Spokane. I was smugly thinking, just wait till I tell him I'm only running half a watt. Well, it turns out that Mark is only 45 miles away and he is running a Rock Mite in a tin.. and he was 579.. so much for my attitude adjustment. I'm now humble again for '04.

Maybe your antenna is too high, Steven?

Happy New Year to all...

Bill - W7WEL

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[SMGazette.com E-mail is scanned for viruses by Declude Virus]  
[Visit us on the web at SMGazette.com]

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Date: Thu, 01 Jan 2004 16:26:27 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>  
Subject: [164283] Tiny Nanotube Antennas May Yield Better Signals In Cell Phones, Televisions  
Message-ID: <6.0.0.22.2.20040101162106.01eb1d10@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

From: Science Daily  
<<http://www.sciencedaily.com/releases/2003/12/031231082951.htm>>

In the future, your cell phone calls and television pictures could become a lot clearer thanks to tiny antennas thousands of times smaller than the width of a human hair. At least that's the speculation of a University of Southern California researcher who has been investigating nanotube transistors.

The USC scientist, Bart Kosko, Ph.D., a professor in the school's Electrical Engineering Department, led a study that has demonstrated for the first time that minuscule antennas, in the form of carbon nanotube transistors, can dramatically enhance the processing of electrical signals, a development that could pave the way for improved performance of consumer electronic devices.



The finding adds to a growing number of promising electronic components that are nanotube-based, including logic gates for computers and diodes for light displays. The study appears in the December issue of Nano Letters, a monthly peer-reviewed publication of the American Chemical Society, the world's largest scientific society.

"No one knows exactly how these little tubes work or even if they will work out in manufacturing, but they are surprisingly good at detecting electrical signals," says Kosko. "Once we figure out all the parameters that are needed to fine tune them, both physically and chemically, we hope to turn these tubes into powerful little antennas."

If all goes well, the tubes could start appearing in consumer products within five to ten years, he predicts.

The finding hinges on a well-known but counterintuitive theory called "stochastic resonance" that claims noise, or unwanted signals, can actually improve the detection of faint electrical signals. Kosko set out to show that the theory was applicable at the nano scale.

Under controlled laboratory conditions, Kosko's graduate student, Ian Lee, generated a sequence of faint electrical signals ranging from weak to strong. In combination with noise, the faint signals were then exposed to devices with and without carbon nanotubes. The signals were significantly enhanced in the container with the nanotubes compared to those without nanotubes, Kosko says.

Although much testing needs to be conducted before the structures are proven to be of practical use, Kosko sees big potential for the little tubes. He says they show promise for improving "spread spectrum" technology, a signal processing technique used in many newer phones that allows listeners to switch to different channels for clearer signals and to prevent others from eavesdropping.

Arrays of the tiny tubes could also process image pixel data, leading to improved television images, including flat-panel displays, according to Kosko. The tubes also have the potential to speed up Internet connections, the researcher says.

In a more futuristic application, Kosko believes the tubes have the potential to act as artificial nerve cells, which could help enhance sensation and movement to damaged nerves and limbs. The sensors might even be used as electrical components in artificial limbs, he adds.

By adjusting the shape, length and chemical composition of the nanotubes, as well as the size of the tube array, they can in essence be customized for a wide-variety of electronic needs, Kosko predicts. "There are likely

many good applications for the technology that we have not foreseen."

Funding for this study was provided by the National Science Foundation.

This story has been adapted from a news release issued by American Chemical Society.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Thu, 1 Jan 2004 17:03:46 -0500  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164284] Roy Lewallen  
Message-ID: <010601c3d0b3\$2112a7e0\$073eca44@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone know if if Roy is still around and where I might contact him??  
thanks !!!  
carl / kz5ca

-----  
Date: Thu, 1 Jan 2004 17:11:54 -0500  
From: "David LeDuc" <dleduc@adelphia.net>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [164285] sounds like CQWW on 40 meters  
Message-ID: <MPEBLEIOLEPIGHEMLNN00EKPCFAA.dleduc@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Wow! w4an, k1ar, kc1xx, ak1n and a few others are on the low end of 40  
working JA's. Must be they heard me working them earlier this week with my  
Argo V and loop.

Dave N1IX

-----  
Date: Thu, 1 Jan 2004 17:12:35 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <carlseye@tampabay.rr.com>  
Subject: [164286] Re: Roy Lewallen  
Message-ID: <000701c3d0b4\$5c4cbcd0\$080044c0@BrianBoru>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

He still seems to post quite regularly to rec.radio.amateur.homebrew, so  
he's still active. If you graze the archives you might score his email  
address. I was going to suggest poking around on www.eznec.com, but it  
doesn't seem to work.

I assume you tried the obvious - emailing him at the address in qrz?

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 01, 2004 5:03 PM  
Subject: Roy Lewallen

> Does anyone know if Roy is still around and where I might contact him??  
> thanks !!!  
> carl / kz5ca  
>  
>  
>

-----  
Date: Thu, 1 Jan 2004 14:14:42 -0800  
From: "john gabbard" <johngabbard@usintouch.com>  
To: <bhedges@nc.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [164287] Re: Yup, went and ordered a K1, finally...  
Message-ID: <000701c3d0b4\$a88e3ad0\$47861c0c@john>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Pau and Brad, you guys will love your K1's I dinished mine about a month ago  
and reallythink its a nice radio. HNY John KF7OM

----- Original Message -----

From: "Brad Hedges" <bhedges@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 01, 2004 1:02 PM  
Subject: Re: Yup, went and ordered a K1, finally...

> Me too! Ordered my K1-4 yesterday morning! Can't wait.

>  
> See you on the bottom of the bands,  
> K0BHC  
> Brad  
>  
>

> ----- Original Message -----

> From: "Paul Mills" <quahog@localnet.com>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, January 01, 2004 3:39 PM  
> Subject: Yup, went and ordered a K1, finally...  
>  
>  
> > Look for me on 40 and 20 in a couple weeks from here on Cape  
> > Cod. Santa gave me permission to get a K1. The boy's home from  
> > UMASS and is gonna get a J - O - B ! ! !  
> >  
> > PAUL KB1GEJ  
>  
>

-----  
Date: Thu, 01 Jan 2004 17:30:27 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [164288] Re: SKN a bust  
Message-ID: <3FF49F83.1030807@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Had fun here. Had a nice ragchew on 40M with the old HT17 and S40B, and then went to 80M and fired up the Harvey Wells TBS50C and HQ129X. Another nice chat took me up to midnight, and lights out time. (The dog laid there looking at me like I was crazy). Used an old J38 I got many years ago.

Tonight after about 0300Z will be looking for FP States for the new FP WAS.

John W2AGN

-----  
Date: Thu, 01 Jan 2004 17:30:59 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [164289] Elecraft XG1 Receiver Test Oscillator  
Message-ID: <6.0.0.22.2.20040101172827.01f5c118@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I ordered an Elecraft XG1 Receiver Test Oscillator the other day. I really am looking forward to it. For me, the handiest thing about it, is to use it as an in-place burned-out-front-end checker. It's ~ calibrated output level of 1uV output is perfect for that application-as is the 50uV 'other' level.

I have some suspicions about my Drake R-7's front end, and this will be perfect to make certain the DG-MOSFET 1st RF isn't shorted. The R-7 has a preamp, and even with it ON, the R-7 seems like it just isn't its old self-even though you can still copy signals. My Icom R-71A sitting right on top of it, fed from the same rcvr distribution amp, SEEMS noticeably more sensitive. (I HAVE swapped both cables and distribution amp channels.)

So this small, extremely portable, ~ calibrated output xtal-controlled signal generator will be perfect for comparisons!

URL: <[http://www.elecraft.com/mini\\_module\\_kits/XG1top.jpg](http://www.elecraft.com/mini_module_kits/XG1top.jpg)>

P.S. I owe several people emails. I have been very ill with the flu in several incarnations since Thanksgiving-and apologize for not replying before now. I WILL get to them.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain

-----  
-----  
Date: Thu, 1 Jan 2004 17:36:33 -0500  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [164290] roy lewallen  
Message-ID: <011e01c3d0b7\$b5438700\$073eca44@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I guess I should have mentioned that the e-mail address listed on qrz.com  
apparently is no good, my msg came back "user unknown" (w7el@teleport.com)  
carl / kz5ca

-----  
Date: Thu, 1 Jan 2004 15:38:12 -0700  
From: "Augie Hansen" <augie.hansen@comcast.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [164291] RE: Roy Lewallen  
Message-ID: <200401012238.i01McUfj022641@rain.CC.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Carl,

His web site is <http://www.eznec.com> and the order page lists all the phone,  
FAX, and address data you need.

73, Gus Hansen / KB0YH

Email: KB0YH@arrl.net

> -----Original Message-----

[snip]

>

> Does anyone know if if Roy is still around and where I might contact  
> him??

> thanks !!!  
>     carl / kz5ca

-----  
Date: Thu, 01 Jan 2004 17:41:43 -0500  
From: "Thomas Lewis" <thomas\_h\_lewis@msn.com>  
To: qrp-l@Lehigh.EDU  
Subject: [164292] Ten Tec 1056 DC Receiver  
Message-ID: <BAY5-F39T2y0jQ0XC390000c721@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Does anyone have any experience and/or comments on this TenTec any band DC receiver kit?

Thanks

Tom  
K4THL

-----  
Working moms: Find helpful tips here on managing kids, home, work     and  
yourself.     <http://special.msn.com/msnbc/workingmom.armx>

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End of QRP-L Digest 3152  
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